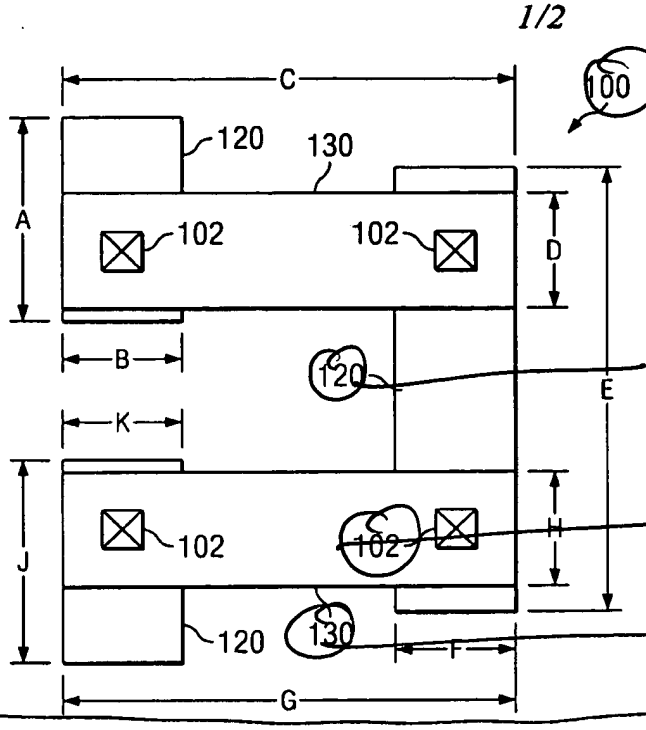


FIG. 1 "Prior Art"

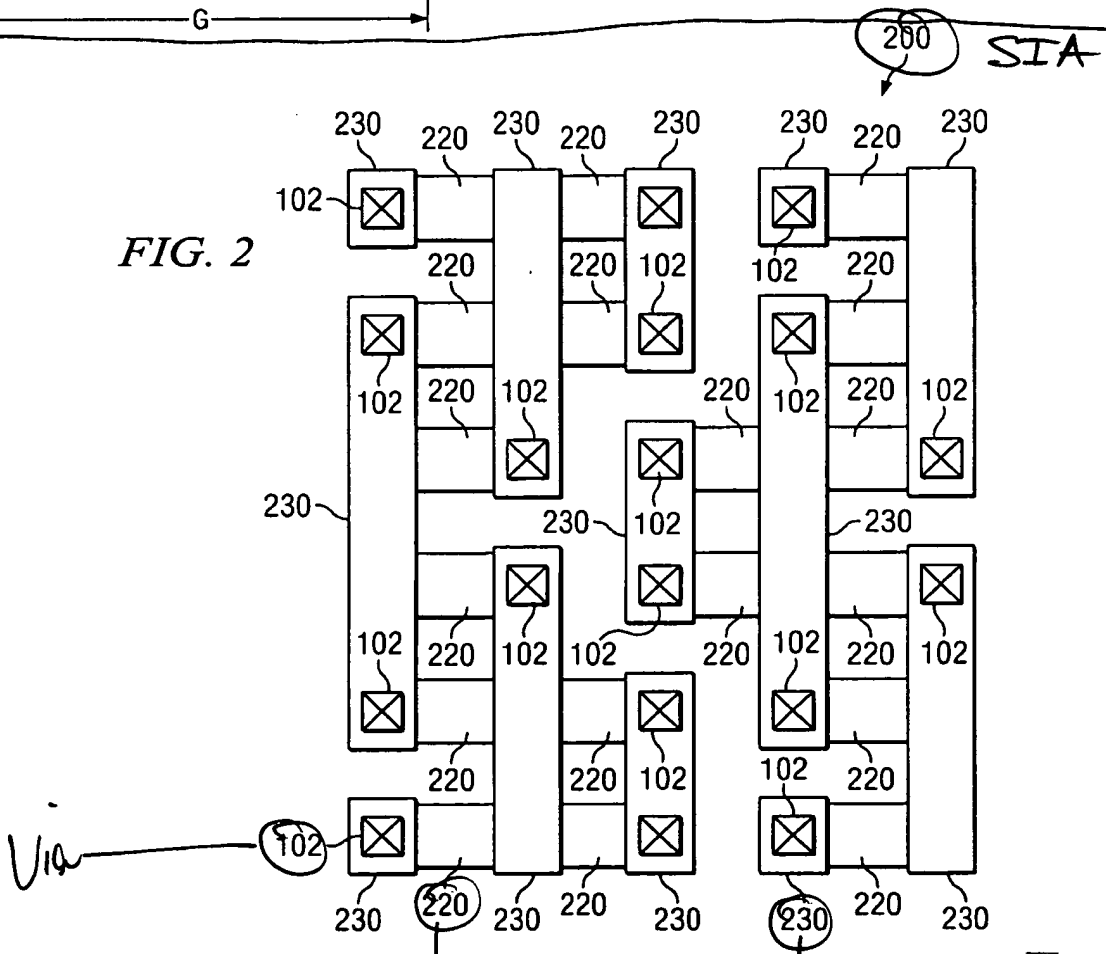
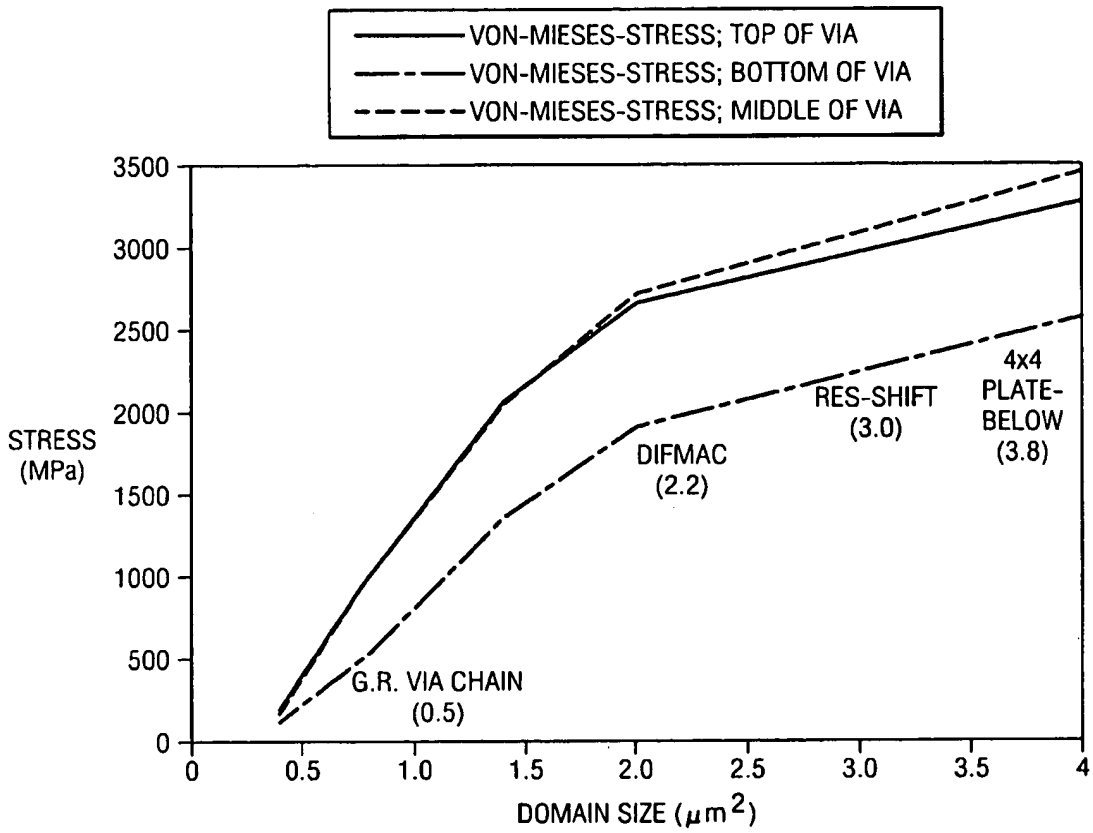


FIG. 2

FIG. 3


VON-MIESES-STRESS; TOP OF VIA
VON-MIESES-STRESS; BOTTOM OF VIA
VON-MIESES-STRESS; MIDDLE OF VIA
STRESS (MPa)
3500
3000
2500
2000
1500
1000
500
0
0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4
DOMAIN SIZE (μm2)
G.R. VIA CHAIN (0.5)
DIFMAC (2.2)
RES-SHIFT (3.0)
4x4 PLATE-BELOW (3.8)